Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/12/2019 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124756	-1	2.41	124801	2.37
Blue	F	SSC	125000	124407	-1	2.17	125304	2.21
Blue	E	FITC	16694	16424	-2	3.60	382	22.32
Blue	D	PE	32792	32288	-2	2.76	713	16.88
Blue	B	PerCP-Cy5-5	44451	44219	-1	5.04	1210	24.41
Blue	A	PE-Cy7	33645	33419	-1	8.28	600	52.70
Red	C	APC	47008	46446	-2	3.07	1805	13.64
Red	A	APC-Cy7	32298	31510	-3	3.91	789	14.90
Violet	B	V450	8961	8598	-5	4.48	475	15.10
Violet	A	V500	32726	31490	-4	4.03	757	11.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20139	7.29	616	3	N/A	N/A	Pass
Blue	F	SSC	55798	1.97	582	14	N/A	N/A	Pass
Blue	E	FITC	63	72.41	570	7	0.0146	113	Pass
Blue	D	PE	141	60.23	575	9	0.1241	310	Pass
Blue	B	PerCP-Cy5-5	222	58.91	684	13	0.0065	41	Pass
Blue	A	PE-Cy7	113	136.71	746	20	0.0076	33	Pass
Red	C	APC	409	29.65	613	0	0.0184	156	Pass
Red	A	APC-Cy7	197	32.64	587	2	0.0042	914	Pass
Violet	B	V450	70	71.81	482	-4	0.0378	2040	Pass
Violet	A	V500	106	41.27	492	-4	0.0207	1384	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.98	-31.82	1.10
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.50	13.60 - 20.40	N/A	N/A	29.21	29.40	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9745

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments